

**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.  
4148-24

APPLN. NO.  
CON of 09/770,405

APPLICANT  
HAEFLIGER et al.

(Use several sheets if necessary)

FILING DATE  
September 19, 2003

GROUP  
1648

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,821,087	10/1998	Lowe et al			
	5,738,853	4/1998	Ludmerer et al			
	5,795,754	8/1998	Ludmerer et al			
	5,756,284	5/1998	Lowy et al			
	5,744,142	4/1998	Lowy et al			
	5,716,620	2/1998	Lowy et al			
	5,709,996	1/1998	Lowy et al			
	5,618,536	4/1998	Lowy et al			
	5,411,857	5/1995	Beaudenon et al			
	5,665,571	9/1997	Beaudenon et al			
	5,712,092	1/1998	Orth et al			
	5,665,533	9/1997	Hopfl et al			
	5,447,839	9/1995	Manos et al			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
WO 98/42847	10/1998	WIPO			
WO 98/28003	7/1998	WIPO			
WO 98/19790	5/1998	WIPO			
WO 97/46693	12/1997	WIPO			
WO 96/11274	4/1996	WIPO			
WO 96/30520	10/1996	WIPO			
WO 96/29413	9/1996	WIPO			
WO 96/15247	5/1996	WIPO			
WO 96/09375	3/1996	WIPO			
WO 96/11272	4/1996	WIPO			
WO 96/11273	4/1996	WIPO			
WO 96/26277	8/1996	WIPO			
WO 95/31532	11/1995	WIPO			
WO 95/31476	11/1995	WIPO			
WO 95/20659	8/1995	WIPO			
WO 95/01374	1/1995	WIPO			
WO 94/20621	9/1994	WIPO			
WO 94/23037	10/1994	WIPO			
WO 94/05792	3/1994	WIPO			
WO 94/00152	1/1994	WIPO			
WO 94/03615	2/1994	WIPO			
WO 93/00436	1/1993	WIPO			

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO. 4148-24	APPLN. NO. CON of 09/770,405
	APPLICANT HAEFLIGER et al.	
(Use several sheets if necessary)	FILING DATE September 19, 2003	GROUP 1648

FOREIGN PATENT DOCUMENTS *continued...*

	WO 93/02184	2/1993	WIPO				
	WO 90/10867	9/1990	WIPO				
	WO 90/04790	5/1990	WIPO				
	WO 92/11369	7/1992	WIPO				
	WO 92 08486	5/1992	WIPO				
	WO 91/18118	11/1991	WIPO				
	WO 91/18294	11/1991	WIPO				
	WO 86/05816	10/1986	WIPO				
	WO 87/01375	3/1987	WIPO				
	WO 83/03623	10/1983	WIPO				
	256321	2/1998	EP				
	451550	10/1991	EP				

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Banks et al. "Expression of human papillomavirus type 6 and type 16 . . ." J. Gen. Virol. 68:3081-3089 (1987)
	Cason et al. "Towards vaccines against human papillomavirus type-16 . . ." Vaccine 11:603-611 (1993)
	Fife "Human papillomavirus vaccine development" Australasian J. Dermatol. 39 (suppl.):S8-S10 (1998)
	Fouts et al. "Construction and immunogenicity of Salmonella typhimurium . . ." Vaccine 17:1697-1705 (1995)
	Galloway "Is vaccination against human papillomavirus a possibility?" Lancet 351 (suppl. 3):22-24 (1998); and Vaccine, 12:91 "Recombinant papillomavirus capsid protein . . ." (1994)
	Hopkins et al. "A recombinant Salmonella typhimurium vaccine . . ." Infect. Immun. 63:3279-3286 (1995)
	Hormaeche et al. in <i>Salmonella Vaccines: Mechanisms of Immunity and Their Use as Carriers of Recombinant Antigens</i> John Wiley & Sons Ltd., Chichester, UK; pages 119-153 (1995); XP002054901 see pp. 129-140
	Kirnbauer et al. "Papillomavirus L1 major capsid . . ." Proc. Natl. Acad. Sci. USA 89:12180-12184 (1992)
	Kirnbauer et al. "Efficient self-assembly of human papillomavirus type 16 . . ." J. Virol. 67:6929-6936 (1993)
	Krul et al. "Induction of an antibody response in mice against human papillomavirus (HPV) type 16 after immunization with HPV recombinant Salmonella strains" Cancer Immunol. Immunother. 43:44-48 (1996); XP002054899 see the whole document.
	Londono et al. "Immunisation of mice using Salmonella typhimurium . . ." Vaccine 14:545-552 (1996)
	Nardelli-Haeffliger et al. "Human papillomavirus type 16 virus-like particles expressed in attenuated Salmonella typhimurium elicit mucosal and systemic neutralizing antibodies in mice" Infect. Immun. 65:3328-3336 (1997); XP002054900 see the whole document.
	Rose et al. "Expression of human papillomavirus type 11 L1 protein . . ." J. Virol. 67:1936-1944 (1993)
	Sapp et al. "Synthesis, properties and applications of papillomavirus-like . . ." Intervirology 39:49-53 (1996)
	Zhang et al. "Expression of human papillomavirus type 16 L1 protein . . ." Virology 243:423-431 (1998)
	Zhou et al. "Increased antibody responses to human papillomavirus . . ." J. Gen. Virol. 71:2185-2190 (1990)
	Abstract, 16 <sup>th</sup> International Papillomavirus Conference" Siena, September 5-12 (1997)

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)